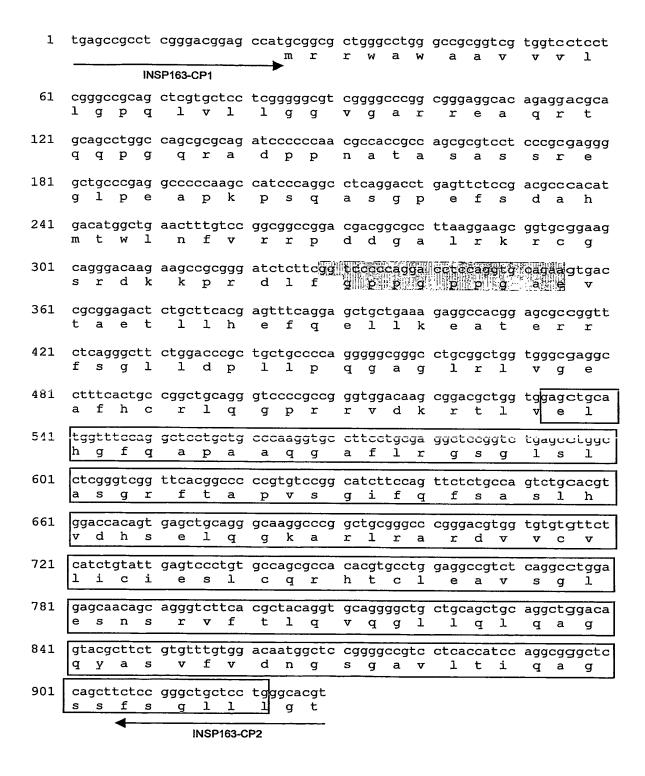
Figure 1: Genome Threader output for INSP163 polypeptide sequence (SEQ ID NO: 30)

	相田		<u>;</u> ; ; ;							
	Alignment	116	115	114	8	128	129	121	119	131
	To Pos for Target	6			Di State II di America	y				
		<u>8</u>	121	66	52	146	4	141	2 2	
	From Pos	31	31.	8		8	38	90	*	30
	To Pos for Ouery	300	S	300	6	299	299	299	301	301
	From Pos for Query			21				.59	SN	1.00
		187	183	187	183	182	82	183	189	182
	%Confidence			Abre a man i man i della						
	Ž	96	8	6	œ.	. 28	₩	69	42	89
Ø	<u>Neoral</u> Net Store	0.983	6.983	0.977	0.971	0.965	0.961	0.937	0,943	0.933
S	Solvation	4,34	-2.65	-3.13	-2.55	1.68	5			-3.18
	THE CAPPAGE	·	H J	<u> </u>	۲۰	. . .		3.51		ુ દ ્યું
	Pairwise	155.89	-105.30	-9.01	-6.72	-94.33	-69.55	43.14	12.75	-7.91
	%Onery Set Aligned	4				<u>.</u>				
ற		37.7	37.7	37.7	601	39.1	39.1	38.7	39,4	39.7
	%Struct Aligned	75.0	72.8	70.6	29.7	82.4	50	77.8	5.4	80.5
2 m	%IDS	∞.	, -	20.2	2.8	20.3	7.8 81.8	0.6	6.8 75.4	5.3
9	Raw Align %		:	•	.			_		
<u></u>	N A S	8	\$	۶	73		8	\$	3	9-
Genome Threade	Norm Align Score	67.63	65.86	51.74	45.38	42.14	39.14	34.25	32.56	31.11
Y	Num PDB Code	AA00 (1				•				000 000 000 000 000
Š		1gr3AA00 blopendium (align)	(align	More (alter		(align	ation in	alien Peres	alien (alien	elega Riginal
Ō	Za	₩	્ય 💆	ഇ	4	' Y 1,	9	<u>~</u> _	∞ .	6

Figure 2



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Figure 3

A) INSP163-A

- 1 PDDGALRKRC GSRDKKPRDL FGPPGPPGAE VTAETLLHEF QELLKEATER
- 51 RFSGLLDPLL PQGAGLRLVG EAFHCRLQGP RRVDKRTLVE LHGFQAPAAQ
- 101 GAFLRGSGLS LASGRFTAPV SGIFQFSASL HVDHSELQGK ARLRARDVVC
- 151 VLICIESLCQ RHTCLEAVSG LESNSRVFTL QVQGLLQLQA GQYASVFVDN
- 201 GSGAVLTIQA GSSFSGLLLG T

B) INSP163-B

- 1 KRCGSRDKKP RDLFGPPGPP GAEVTAETLL HEFQELLKEA TERRFSGLLD
- 51 PLLPQGAGLR LVGEAFHCRL QGPRRVDKRT LVELHGFQAP AAQGAFLRGS
- 101 GLSLASGRFT APVSGIFQFS ASLHVDHSEL QGKARLRARD VVCVLICIES
- 151 LCQRHTCLEA VSGLESNSRV FTLQVQGLLQ LQAGQYASVF VDNGSGAVLT
- 201 IQAGSSFSGL LLGT

C) INSP163-C

- 1 CGSRDKKPRD LFGPPGPPGA EVTAETLLHE FQELLKEATE RRFSGLLDPL
- 51 LPQGAGLRLV GEAFHCRLQG PRRVDKRTLV ELHGFQAPAA QGAFLRGSGL
- 101 SLASGRFTAP VSGIFQFSAS LHVDHSELQG KARLRARDVV CVLICIESLC
- 151 QRHTCLEAVS GLESNSRVFT LQVQGLLQLQ AGQYASVFVD NGSGAVLTIQ
- 201 AGSSFSGLLL GT

D) INSP163-D

- 1 FSGLLDPLLP QGAGLRLVGE AFHCRLQGPR RVDKRTLVEL HGFQAPAAQG
- 51 AFLRGSGLSL ASGRFTAPVS GIFQFSASLH VDHSELQGKA RLRARDVVCV
- 101 LICIESLCQR HTCLEAVSGL ESNSRVFTLQ VQGLLQLQAG QYASVFVDNG
- 151 SGAVLTIQAG SSFSGLLLGT

E) INSP163-E

- 1 VDKRTLVELH GFQAPAAQGA FLRGSGLSLA SGRFTAPVSG IFQFSASLHV
- 51 DHSELQGKAR LRARDVVCVL ICIESLCQRH TCLEAVSGLE SNSRVFTLOV
- 101 QGLLQLQAGQ YASVFVDNGS GAVLTIQAGS SFSGLLLGT

F) INSP163-F

- 1 TLVELHGFQA PAAQGAFLRG SGLSLASGRF TAPVSGIFQF SASLHVDHSE
- 51 LQGKARLRAR DVVCVLICIE SLCORHTCLE AVSGLESNSR VFTLOVOGLL
- 101 QLQAGQYASV FVDNGSGAVL TIQAGSSFSG LLLGT

